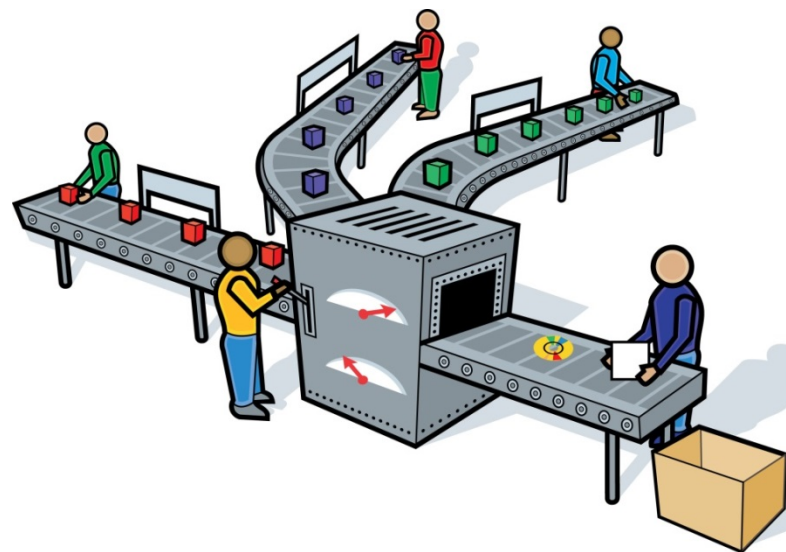# Let's Have Fun with Manufacturing
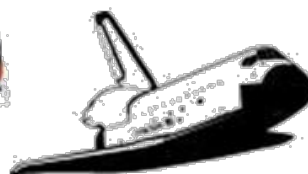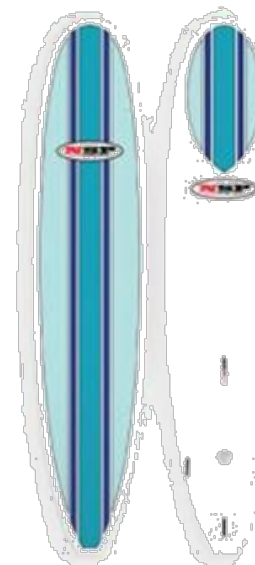
What is Manufacturing?

Manufacturing is..

- To make stuff

- Enjoying making new things called products

- ..and making a lot of them in a fast way using technology

Manufacturing is changing materials into products that people can use

Examples of manufactured products

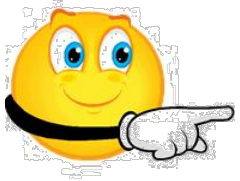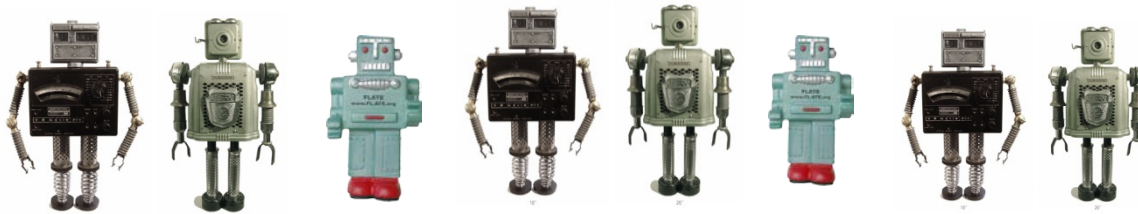# Almost Everything is manufactured

Windows

GPS

Brake disk & Wheels

Car frame

Motor

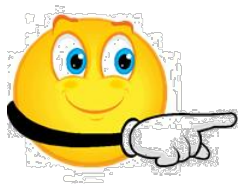# Manufacturing Goals

Making something

Making a lot of them

Manufacturing Goals, *continuation*
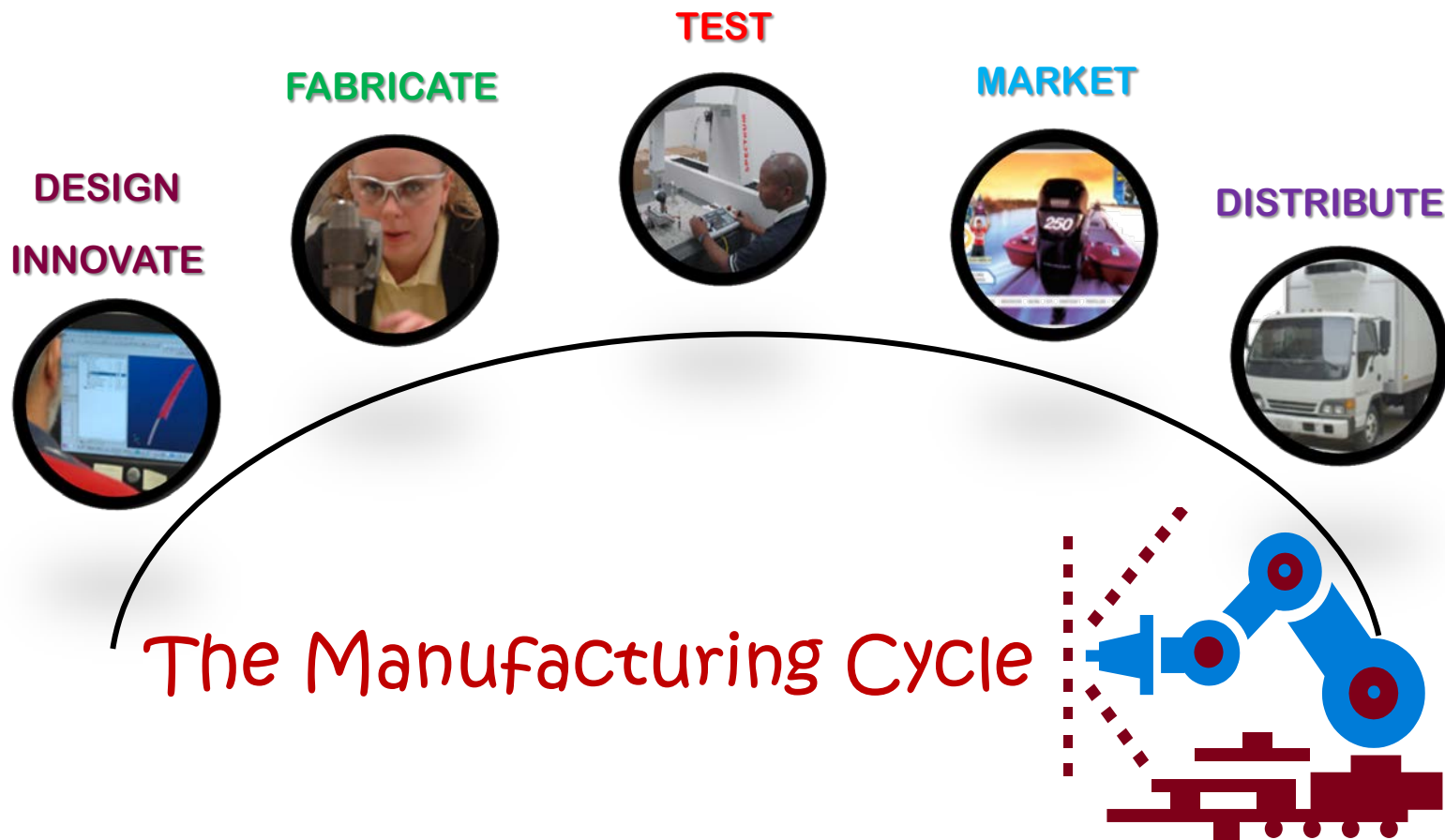
Have fun

Make money when you make a lot of them

How we make "stuff"

DESIGN
INNOVATE

FABRICATE

TEST

MARKET

DISTRIBUTE

The Manufacturing Cycle
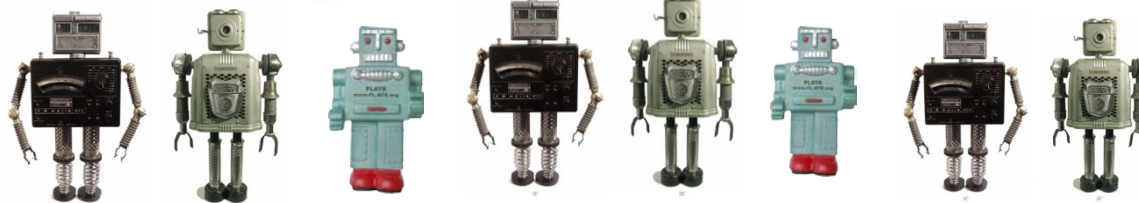
Manufacturing Sectors

Aviation & Aerospace

Medical Devices & Equipment

Transportation & Logistics

Electronics & Electrical

Food, Beverage, Pharmaceuticals & Packaging

Machining & Product Fabrication

Leisure & Entertainment

Product Design & System Integration

MFG DAY 10.03.14 FLORIDA!

FLATE

Now...Let's Have Fun with Manufacturing!

Forms groups

Groups will: sketch out new invention using Manufacturing process

IMPORTANT: Team Work !

…Let's make something!

1. What do you want to make?
   Which Manufacturing sector?
   Design & Innovate

2. How can we do that?
   Fabricate & Test

3. How & where can we sell it?
   Market & Distribute

1. Design & Innovate

- Name of the factory
- What are we making?
- Which Manufacturing sector?

What will it do?

What will it look like?

How it will perform?

How it could be built?

2. **Fabricate** & **Test**

It's time to make things happen!

Fabricate
- What Do we need?
Materials? Skills? Technology?
- How we make it faster?

Test:
- Does it work?
- Why not?
- Quality Control

3. **Market** & **Distribute**
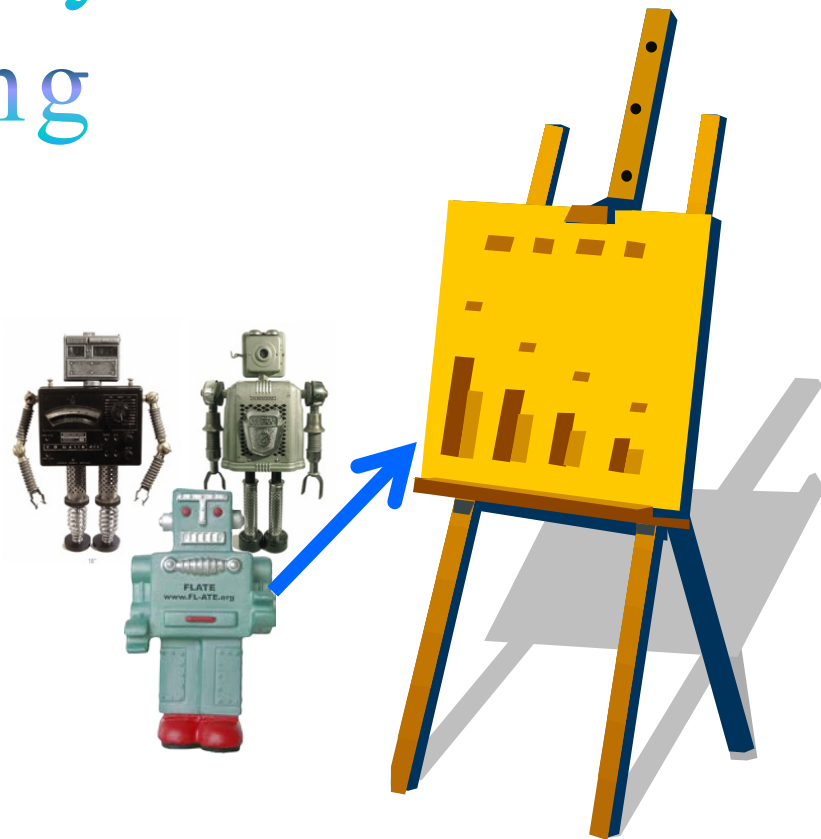
Market

- How to market?
- Who is buying it?

Distribute

- How many?
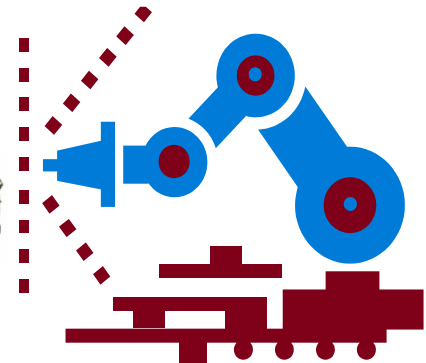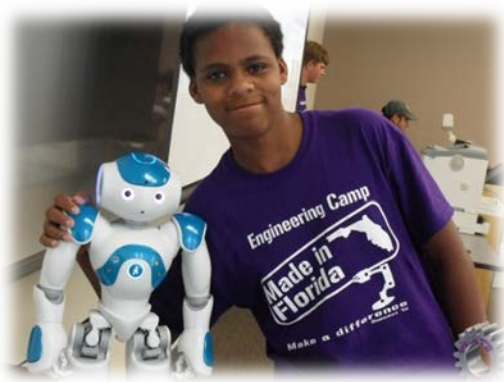- Distribution?

Presentation by Manufacturing Teams

Remember MANUFACTURING is Fun!

www.madeinflorida.org